

ABSTRACT OF THE INVENTION

A fuel system is provided with a fuel distribution member that has a plurality of passages formed within its unitary structure to allow a water separating fuel filter and a pressure regulator to be attached directly to the fuel distribution member without the need of conduits and hoses connected therebetween. Fuel is received from a mechanical fuel pump and directed through the water separating fuel filter to a fuel manifold that includes first and second fuel rails. The fuel is cooled and pumped through a high pressure fuel filter as it flows to the fuel manifold. The pressure regulator has a pressure relief conduit that returns fuel to the fuel filter for recirculation.